

FIG. 1

200

Physical address format

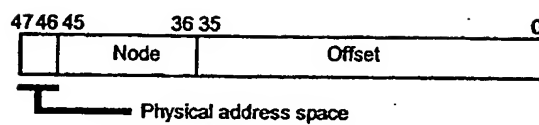


FIG. 2A

200

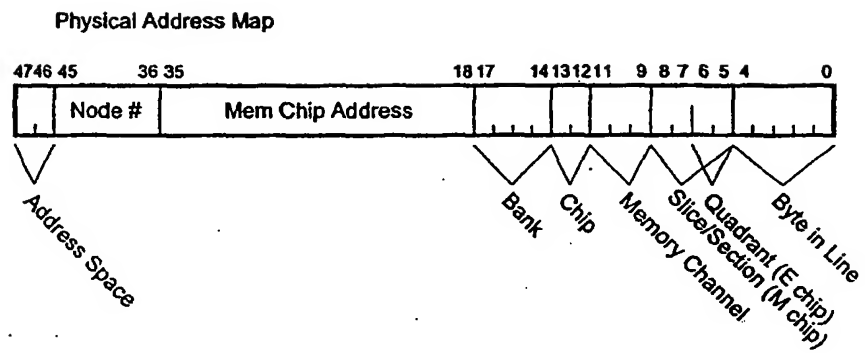


FIG. 2B

300
↙

Virtual address format

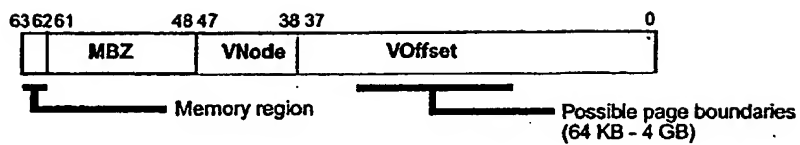


FIG. 3

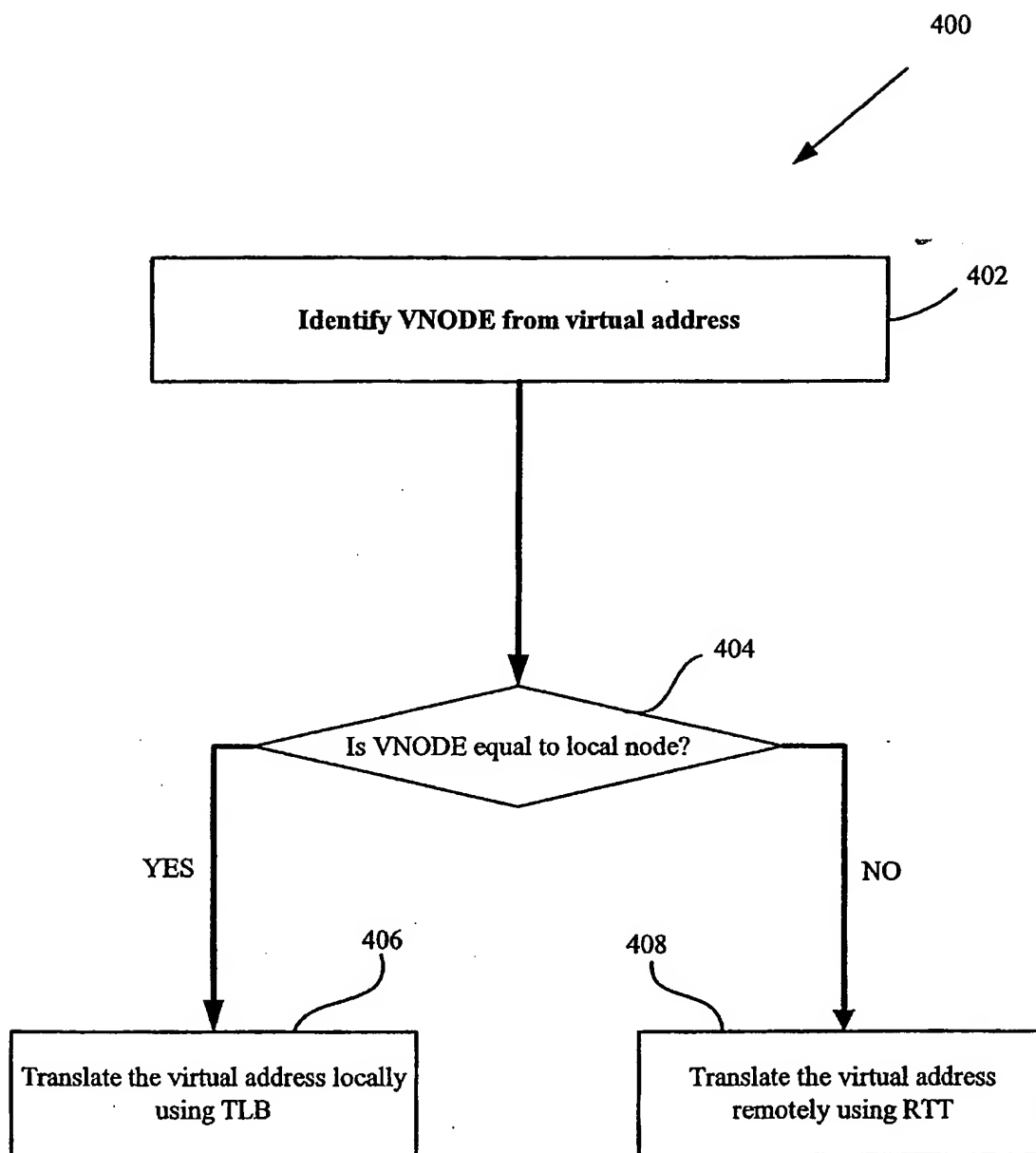


FIG. 4

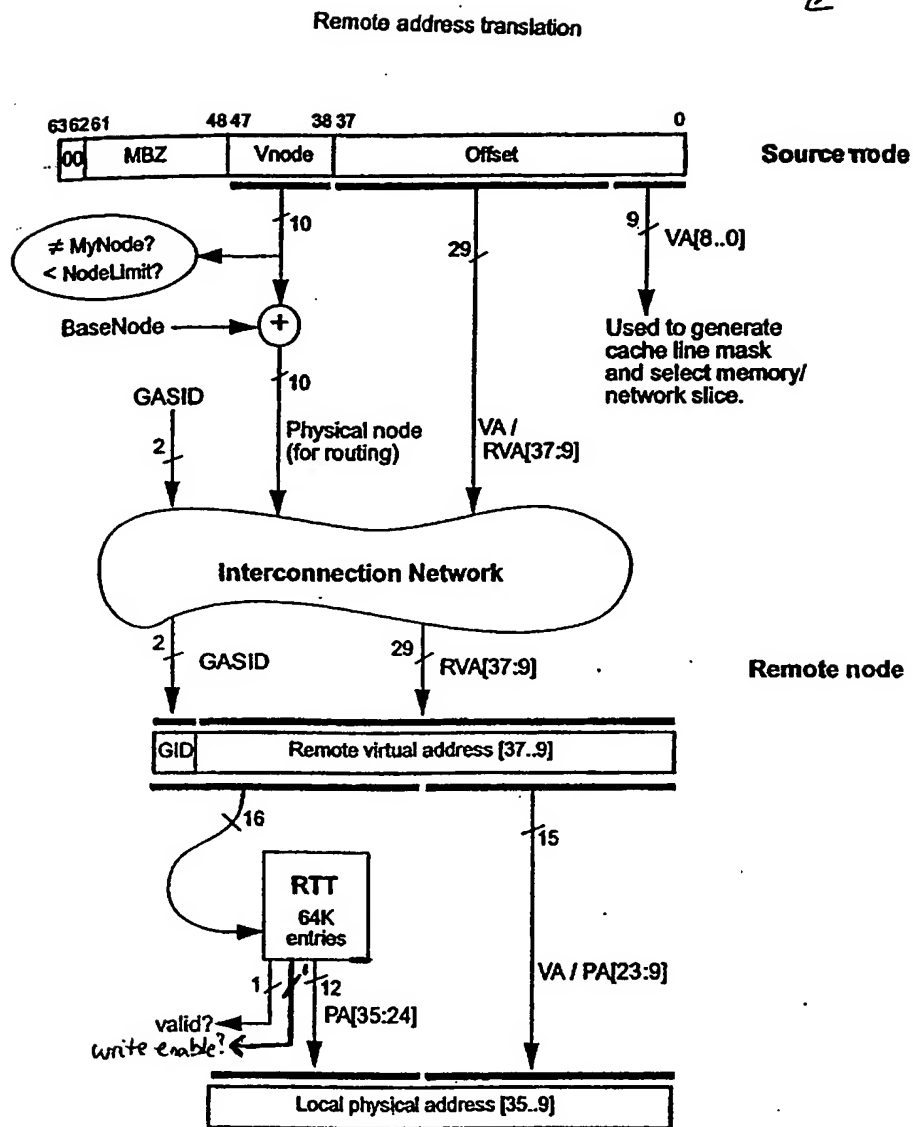


FIG. 5

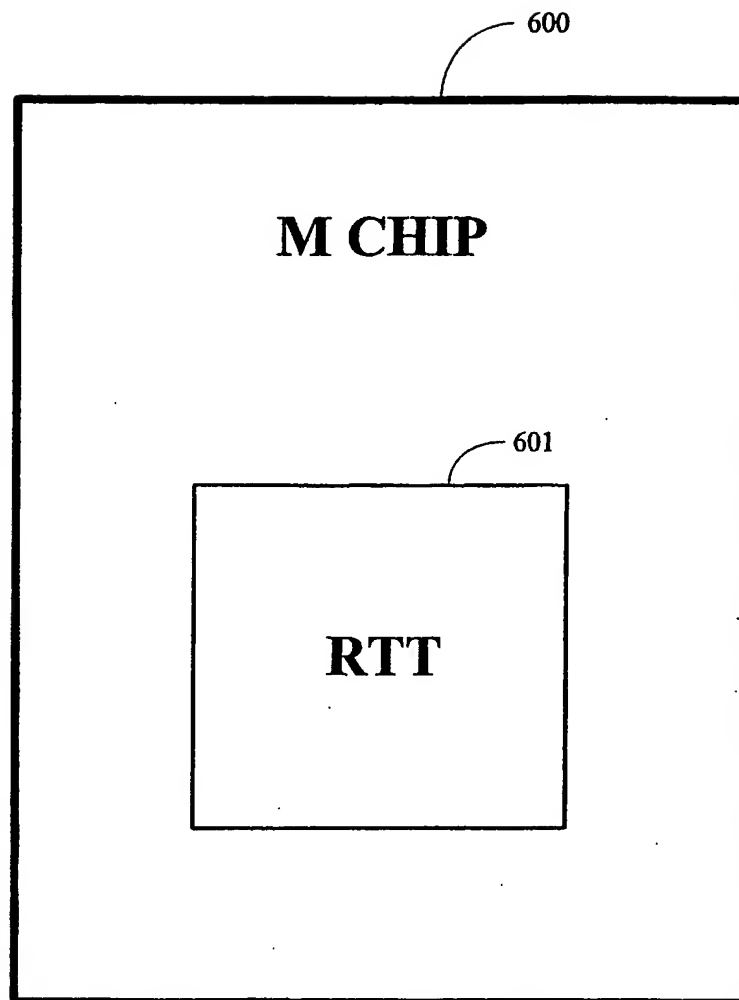


FIG. 6A

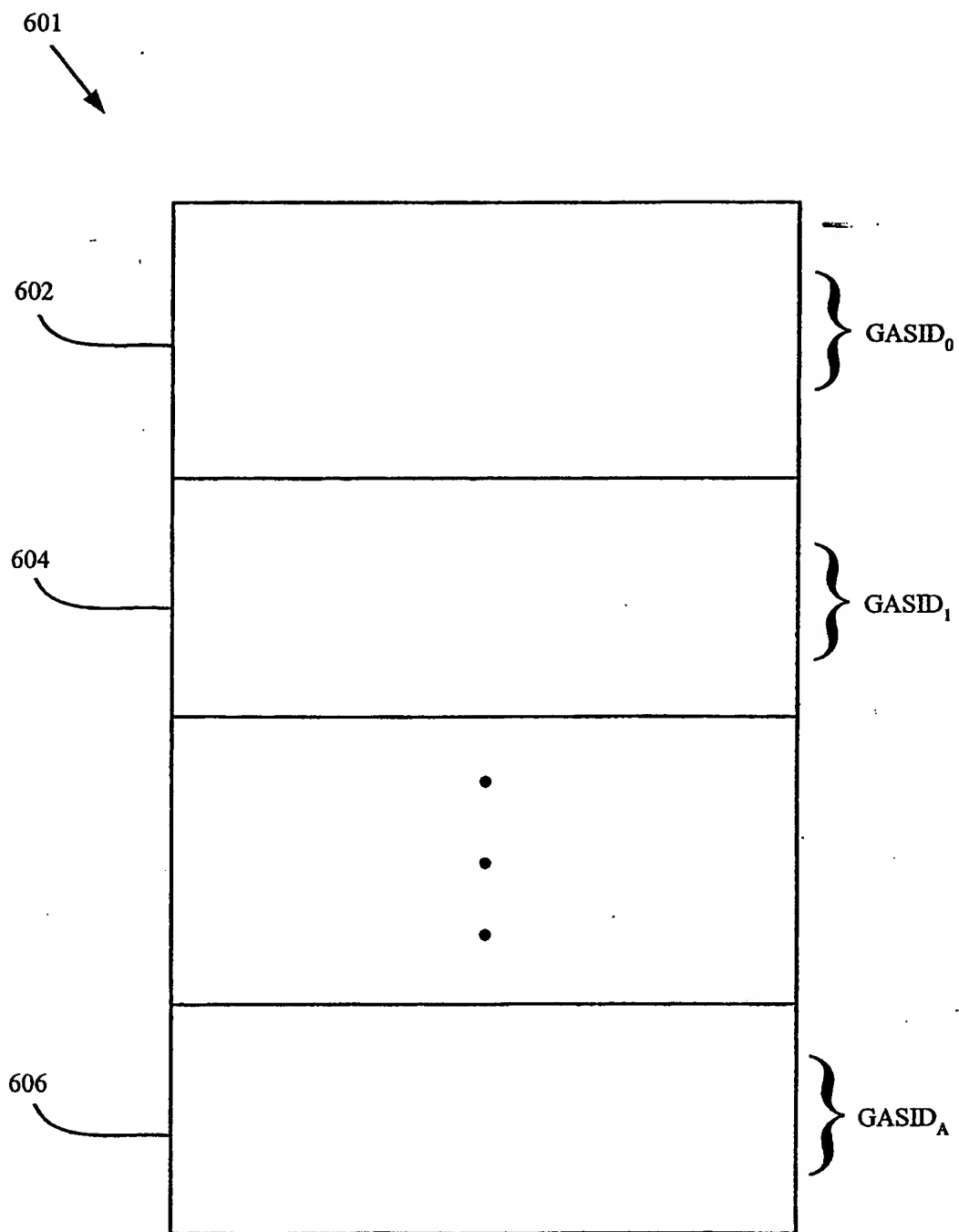


FIG. 6B

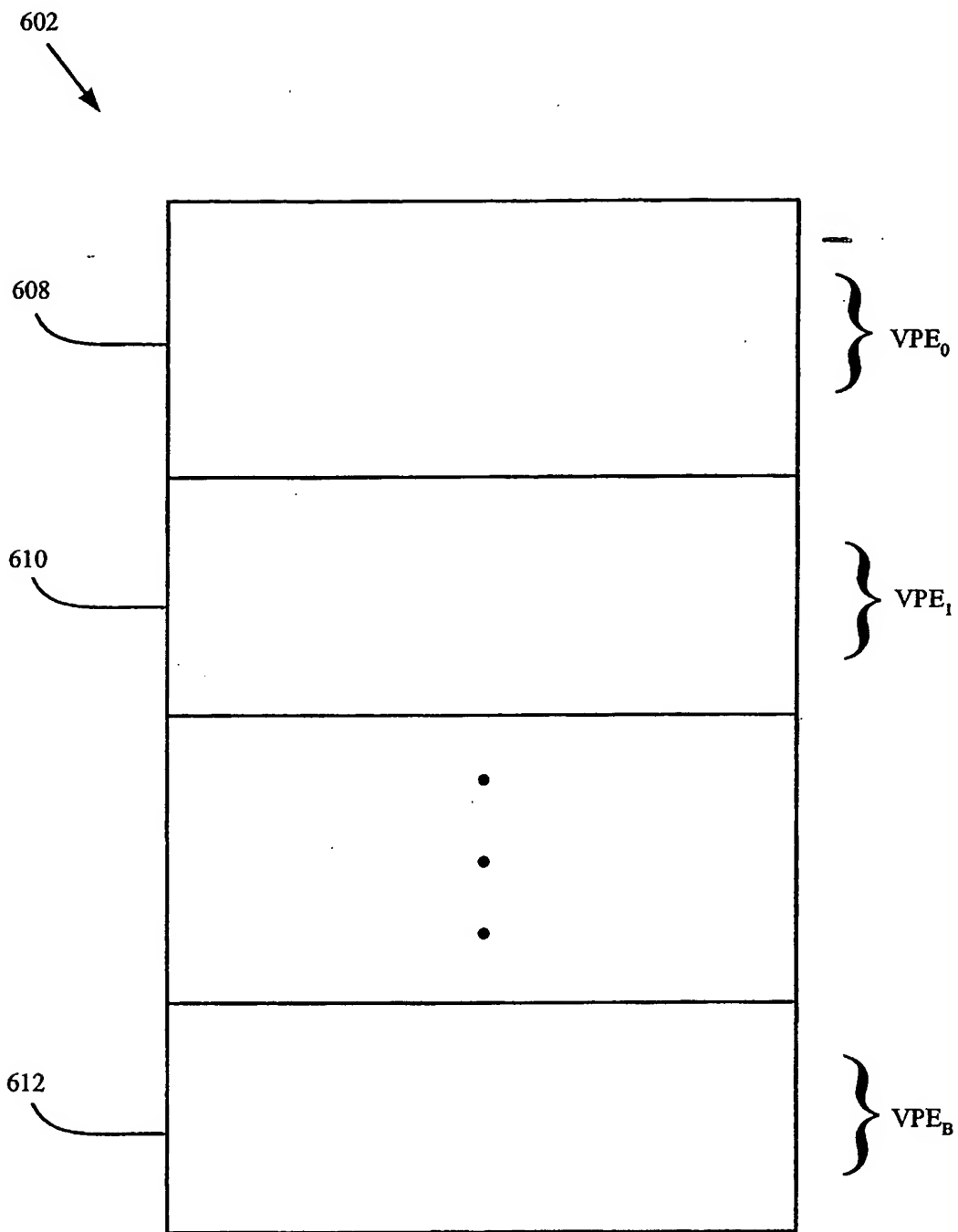


FIG. 6C

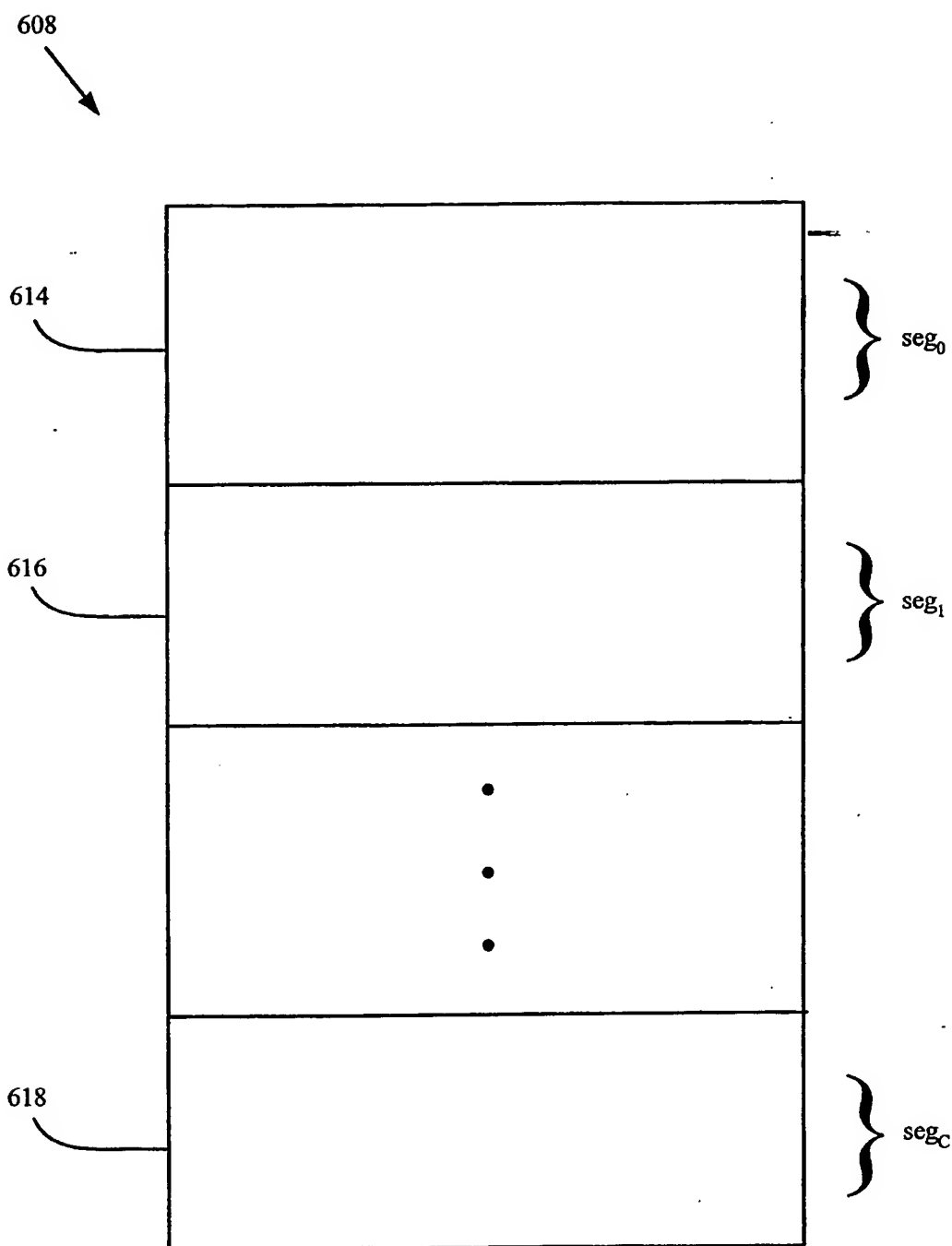


FIG. 6D

FIG. 7

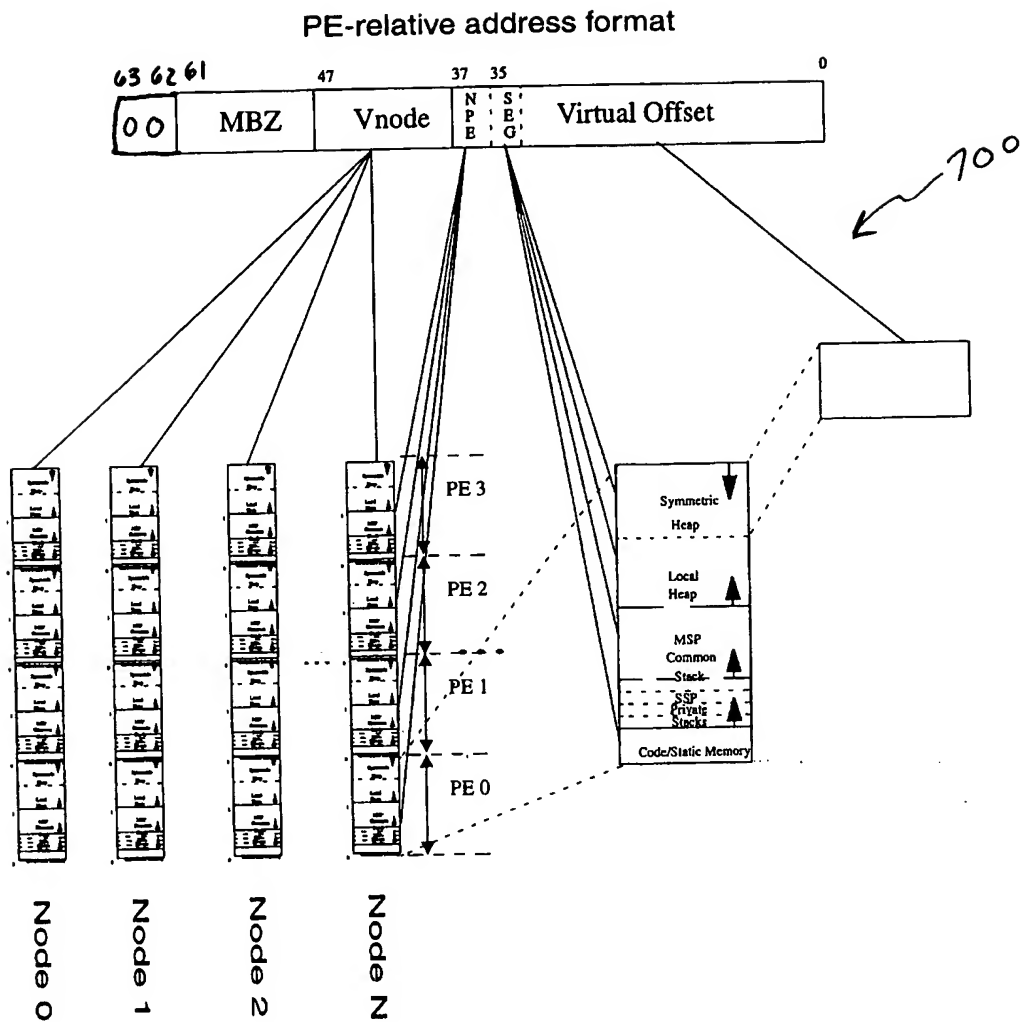


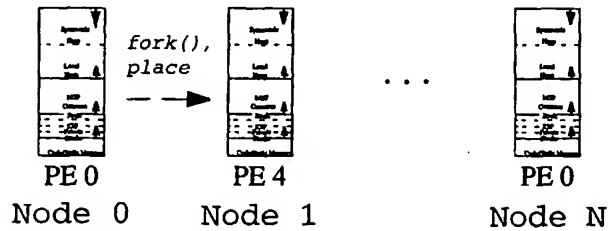
FIG. 8

1. Initial PE created at exec()



800

2. PEs are created across node space



3. Local address space and PEs created

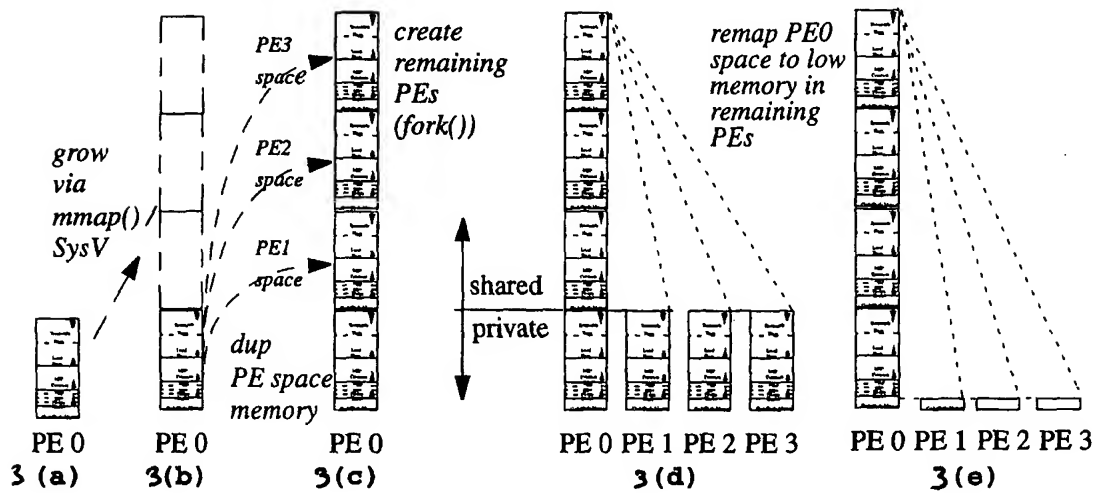
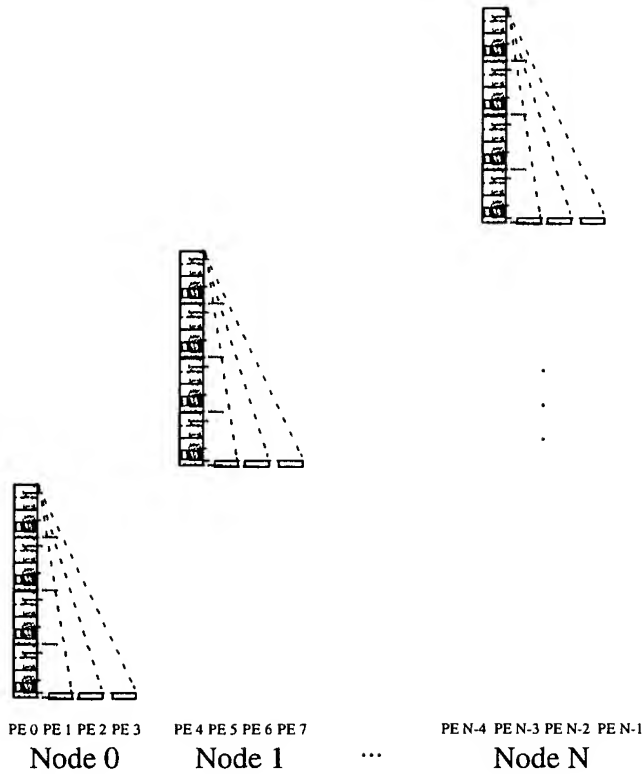


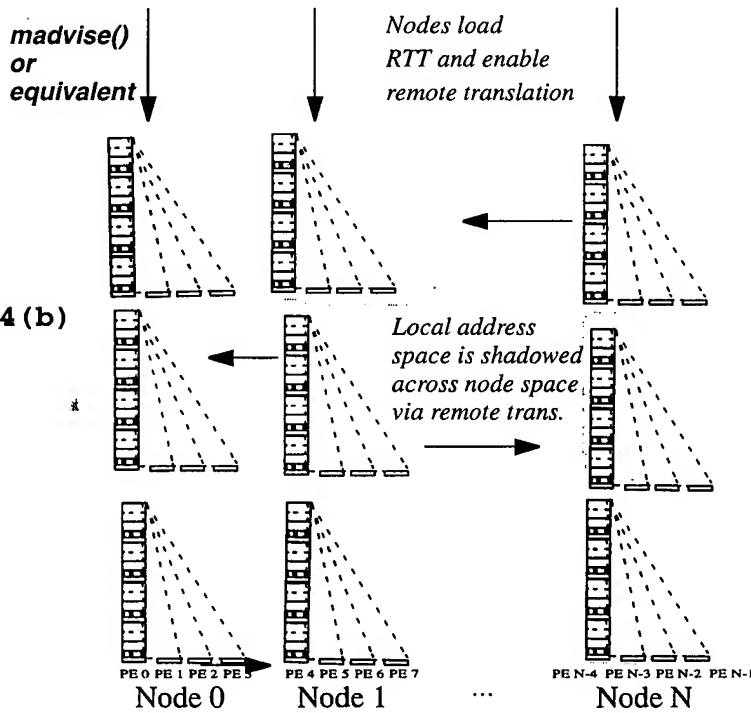
FIG. 9

4 (a)



PEs executing in node-local source translation address spaces.

4 (b)



Each node loads its local RTT which shadows its address space into the job's global address space when remote translation is enabled.

FIG. 10

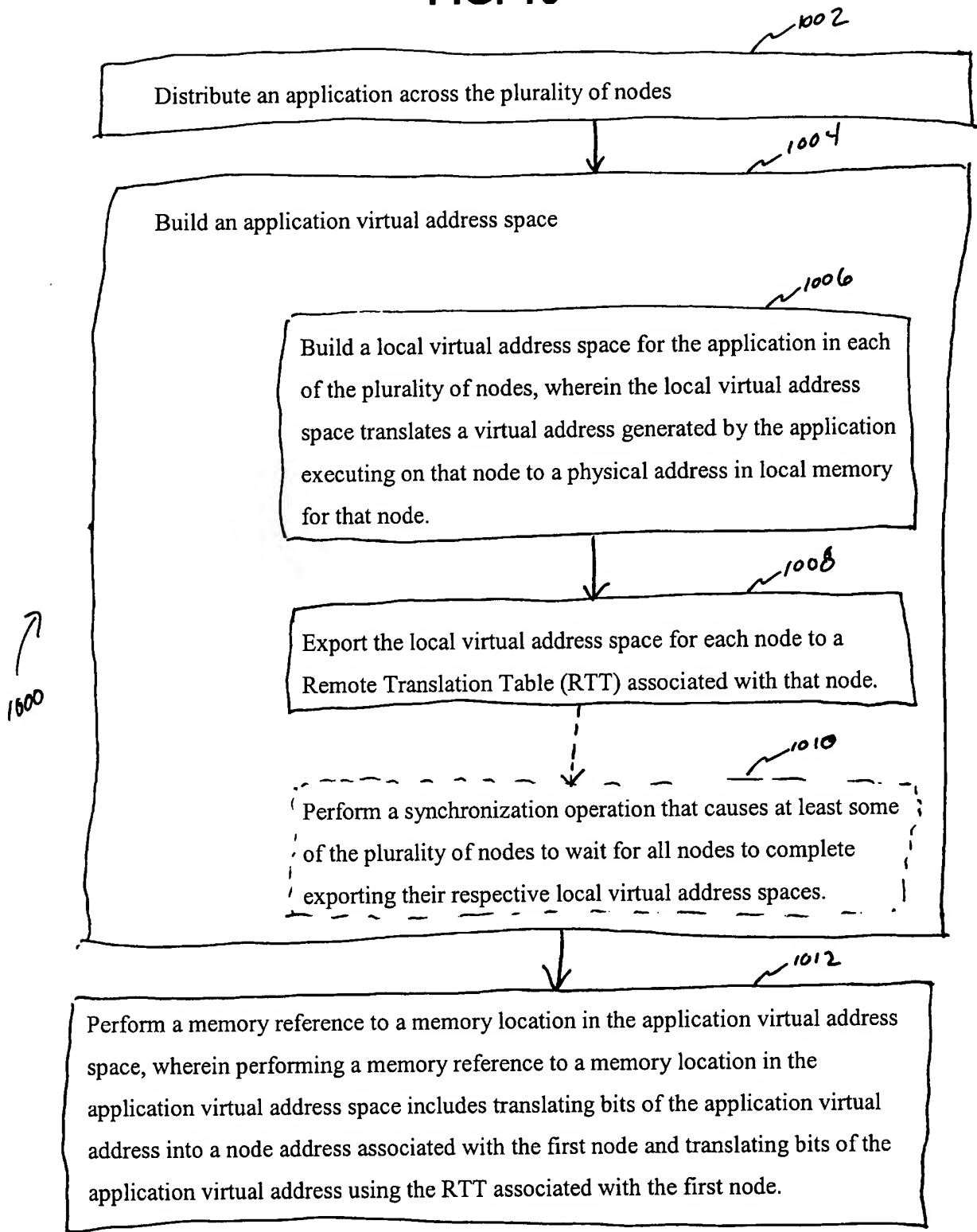


FIG. 11

